

Title (en)
MOLECULAR INDEXING OF PROTEINS BY SELF ASSEMBLY (MIPSA) FOR EFFICIENT PROTEOMIC INVESTIGATIONS

Title (de)
MOLEKULARE INDEXIERUNG VON PROTEINEN DURCH SELBSTANORDNUNG (MIPSA) FÜR EFFIZIENTE PROTEOMISCHE UNTERSUCHUNGEN

Title (fr)
INDEXATION MOLÉCULAIRE DE PROTÉINES PAR AUTO-ASSEMBLAGE (MIPSA) POUR DES RECHERCHES PROTÉOMIQUES EFFICACES

Publication
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Application
EP 22763920 A 20220301

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Abstract (en)
[origin: WO2022187277A1] The present disclosure relates to the field of proteomics. More specifically, the present disclosure provides compositions and methods for molecular indexing of proteins by self-assembly. In one aspect, the present disclosure provides a library of self-assembled protein-DNA conjugates. In particular embodiments, each protein-DNA conjugate comprises (a) a cDNA comprising a barcode, wherein the cDNA is conjugated with a ligand that specifically binds a polypeptide tag; and (b) a fusion protein comprising the polypeptide tag and a protein of interest, wherein the ligand is covalently bound to the polypeptide tag.

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